

**CODES ADOPTION
PUBLIC HEARING & FIRST READING
2012 INTERNATIONAL CODES
2011 NATIONAL ELECTRICAL
CODE**

Mark Lewis, Building Inspections





CODES DISCUSSION

■ Background

- The International Codes and National Electrical Code are “model” codes**
- Codes establish nationally recognized minimum standards for building construction and operation**
- Codes are Coordinated and Compatible With Each Other**
- Building materials and construction technologies continue to evolve – hence the need to update codes on a regular basis**



CODES DISCUSSION

■ Codes Currently In Use

■ 2008 National Electrical Code

■ 2009 International Codes as follows:

- Residential Code**
- Plumbing Code**
- Mechanical Code**
- Existing Building Code**
- Building Code**
- Fuel Gas Code**
- Energy Conservation Code**
- Property Maintenance Code**



CODES DISCUSSION

■ Codes to be Adopted

■ 2011 National Electrical Code

■ 2012 International Codes as follows:

- Residential Code**
- Plumbing Code**
- Mechanical Code**
- Existing Building Code**
- Building Code**
- Fuel Gas Code**
- Energy Conservation Code**
- Property Maintenance Code**



CODES DISCUSSION

■ Adoption Timeline

- June 28: Public Hearing/First Reading**
- July 12: Final Reading**
- October 1: Effective Date**



CODES DISCUSSION

- **Adoption Details – International Codes**
 - **Codes Include Appendices Not All of Which are Relevant to All Jurisdictions**
 - **Staff's Recommends Adopting Only the Appendices that Make Sense For Cedar Park**



CODES DISCUSSION

- **Adoption Details – International Codes**
 - **International Building Code**
 - **Appendix C – Agricultural Buildings**
 - **Appendix F – Rodent Proofing**
 - **Appendix I – Patio Covers**



CODES DISCUSSION

■ Adoption Details – International Codes

■ International Residential Code

- Appendix A – Gas Pipe Sizing**
- Appendix B – Vent Sizing**
- Appendix C – Direct Vents**
- Appendix G – Swimming Pools & Spas**
- Appendix H – Patio Covers**
- Appendix P – Water Pipe Sizing**



CODES DISCUSSION

- **Adoption Details – International Codes**
 - **International Plumbing Code**
 - **Appendix C – Vacuum Drainage Systems**
 - **Appendix E – Water Pipe Sizing**
 - **Appendix F – Structural Safety**



CODES DISCUSSION

- **Adoption Details – International Codes**

- **International Fuel Gas Code**

- **Appendix A – Gas Pipe Sizing**
- **Appendix B – Vent Sizing**
- **Appendix C – Vent Terminations**



CODES DISCUSSION

- **Adoption Details – International Codes**
 - **International Mechanical Code**
 - **Appendix A – Chimney Connector Pass-Throughs**
 - **International Property Maintenance Code**
 - **Appendix A – Board-up Standards**



CODES DISCUSSION

- **Adoption Details – International Codes**
 - **International Existing Building Code**
 - **International Energy Efficiency Code**
 - **No Appendices**



CODES DISCUSSION

- **Adoption Details – National Electrical Code**

- **One Amendment**

- **The provisions of article 250 and table 310.106A notwithstanding, no aluminum wire smaller than #6 AWG shall be used for any electrical wiring.**



CODES DISCUSSION

Conclusion

- **Staff recommends that the 2012 International Codes – including specified appendices and the 2011 National Electrical Code with amendment, be adopted as presented.**



CODES DISCUSSION

Questions

CODES ADOPTION

PUBLIC HEARING & FIRST READING

2012 INTERNATIONAL FIRE CODE

Randle Blesing, Fire Marshal





CODES DISCUSSION

- **Fire Code is Adopted by Chapter 5 of Cedar Park Code of Ordinances**
- **Code Currently In Use**
 - **2006 International Fire Code**
- **Code Proposed for Adoption**
 - **2012 International Fire Code**
- **Adoption/Implementation Timeline same as Building Codes**



CODES DISCUSSION

- **Adoption Details - Appendices**
 - **Appendix B – Fire Flow Requirements**
 - **Appendix C – Fire Hydrant Location/Distribution**
 - **Appendix D – Fire Access Roads**
 - **Appendix E – Hazard Categories**
 - **Appendix F – Hazard Ranking**
 - **Appendix G – Cryogenic Fluids**
 - **Appendix H – Hazardous Material Management**
 - **Appendix I – Non-compliant conditions**



CODES DISCUSSION

- **Adoption Details - Amendments**
 - **Total number of amendments reduced**



CODES DISCUSSION

■ Fire Code Amendments

■ Amendments Removed

- **Sec. 110.4** **Abatement**
- **Sec. 202** **Definitions**
 - Fire Code Official
 - Self Service Storage Facility
 - Standby Personnel
- **Sec. 308.3** **Open Flame**
- **Sec. 508.5** **Fire Hydrant Systems**
- **Sec. 603.1** **Labeling [of doors]**
- **Sec. 603.6** **Chimneys & Appliances**
- **Sec. 605.5** **Extension Cords**



CODES DISCUSSION

■ Fire Code Amendments

■ Amendments Removed Continued

- Sec. 605.5.1 Power Supply
- Sec. 605.5.4 Grounding
- Sec. 703.1.3 Penetrations
- Sec. 903.2.7 Group R
- Sec. 903.7.1 Townhouse [sprinklers]
- Sec. 903.2.7.2 Condominiums [sprinklers]
- Sec. 903.3.5 Water Supplies
- Sec. 903.3.7 Fire Department Connections
- Sec. 907.2.1.1 [Alarm] System Initiation
- Sec. 907.2.3 Group E Fire Alarm System
- Sec. 907.2.4 Group F Manual Fire Alarm System



CODES DISCUSSION

■ Fire Code Amendments

■ Amendments Removed Continued

- Sec. 907.2.12 High Rise Buildings
- Sec. 907.3.1.8 Group R-4 [Smoke Alarms]
- Sec. 907.6 Wiring
- Sec. 907.9.2 High-Rise Buildings [alarm devices]
- Sec. 913.4 Valve Supervision
- Sec. 1020.1.7 Smoke-proof Enclosures
- Sec. 2204 Canopy Suppression
- Sec. 2205 Additional Fire Suppression
- Sec. 3804.2 Liquefied Petroleum Gas



CODES DISCUSSION

■ Fire Code Amendments

■ Amendments Modified

- | | | |
|----------------|-----------------------|---|
| ■ Sec. 510.1 | Sprinkler Riser Rooms | Facilitates maintenance & emergency response |
| ■ Sec. 605.1.1 | Electrical shut off | Addresses safety/Provides owner flexibility |
| ■ Sec. 703.1.4 | Tenant Separation | Provides owner flexibility |
| ■ Sec. 903.2 | Fire Sprinklers | Consolidates 9 subsections to single subsection |
| ■ Sec. 907.1 | Alarm Systems | Facilitates location of fire in buildings with 25 or more alarm devices |
| ■ Appendix D | Dead Ends | Clarifies width & turnaround standards for dead-end fire lanes |



CODES DISCUSSION

■ Fire Code Amendments

■ New Amendments

- **Sec. 503.32.3:** Completed Fire apparatus access roads shall be constructed of asphalt or concrete....
- **Sec. 505.1.1:** In buildings containing more than one occupancy, suite numbers identifying each occupant shall be place on each exterior door (minimum 3inch numbers). Each number shall have a minimum stroke width of ¼". Numbers shall contrast with the background and be of a material as approved by the fire code official.
- **Sec. 609.2:** If the cooking appliance meets the requirements of NFPA 96, then a Type 1 hood is not required.



CODES DISCUSSION

Conclusion

- **Staff recommends that the 2012 International Fire Code – including specified appendices and amendment package be adopted as presented.**



CODES DISCUSSION

Questions